

Date: Sun, 14 Feb 93 00:06:56 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #210
To: Info-Hams

Info-Hams Digest Sun, 14 Feb 93 Volume 93 : Issue 210

Today's Topics:

 73s (Not 73)
 Antenna question
 Beware the Jabbawock and VEC
 CW folklore (Re: Help CW practice)
 Ground
 Home building PT0s
 HTX-100 Mailing List
 KC6 expedition is on!
 Kenwood 850 display
 Latest-issued callsigns
 Mobile rig in Camry-Hazardous to Your \$
 Motorola SecureClear(tm) Cordless Phones
 NEEDED: Hearing loss prevention
 Phase Sequence Filter Quadrature Networks
 QRP amplifier ---> shorting stick
 Why all the Bulletins? (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 12 Feb 1993 22:07:19 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
paladin.american.edu!darwin.sura.net!haven.umd.edu!news.umbc.edu!gmuvax2!
emeinfel@network.UCSD.EDU
Subject: 73s (Not 73)
To: info-hams@ucsd.edu

```
> Have you ever noticed the ingenious excuses that a ham will use
>when he wants to terminate a QSO. Rather than hurt the QSOee's feelings
>by saying he'd rather read yesterday's newspaper than continue the QSO
>any longer, a ham will find some "crisis" needing his attention. Even on
>packet among locals, this B.S. keeps on flowing! Here are some genuine,
>over-the-air reasons for signing off. [The comments in the square
>brackets are mine.]
```

Jim
N3F0V

I think i read somewhere that if your coax length is a multiple of the band you are receiving/transmitting, you get better gain. Is this theoretical, or does it really help?

```

                                     /  \  /
It's Only Rock'n'Roll but I like it! |[[==| | | | | | | | | |[::]
e-mail: bentley@cs.utah.edu           \  \ \

```

In article <9302101610.AA08115@ucsd.edu>,
William=E.=Newkirk%Pubs%GenAv.Mlb@ns14.cca.CR.rockwell.COM writes...
>>After our conversation, I went over the ARRL study guides and the ARRL
>>FCC Rule book and could find no reference to the VEC holding up
>>someone's application when another license was pending. So, it was
>>either some procedure that only VECs know or something he invented. If
>>the latter, he is guilty of not forwarding my Form 610 to the FCC
>>within 10 days.

>
>we have some copies of a form letter from the ARRL/VEC that explains this.
>it's possible that we don't always hand 'em out in the heat of the exam
>battle...
>

The person who started the thread was not examined at an ARRL session.
It was a session held by the Greater Los Angeles Amateur Radio Group
VEC, which is one of the 13 "regional VEC's" (in contrast to the 2
"national VEC's" -- W5YI and ARRL.)

GLARG apparantly has its own procedure on this subject, which is
different than ARRL or W5YI, both of which will send a follow-up notice
in the mail. Different players, different rules. At least it got
worked out.

>>>==>PStJTT

Date: 12 Feb 93 19:10:14 GMT
From: dog.ee.lbl.gov!hellgate.utah.edu!caen!sdd.hp.com!ncr-sd!ncrcae!ncrhub2!
ncrc1m!tskelton@network.UCSD.EDU
Subject: CW folklore (Re: Help CW practice)
To: info-hams@ucsd.edu

<PHR.93Feb10031448@napa.telebit.com>
<1993Feb10.233915.26960@odin.corp.sgi.com> <64217@mimsy.umd.edu>
Sender:
Reply-To: tskelton@ncrc1m.ClemsonSC.NCR.COM (Tom Skelton)
Followup-To:
Distribution: na
Organization: NCR E&M CLEMSON Liberty, SC
Keywords:

In article <64217@mimsy.umd.edu> furuta@cs.umd.edu (Richard Furuta) writes:
>In article <1993Feb10.233915.26960@odin.corp.sgi.com>
adams@chuck.dallas.sgi.com (Charles Adams) writes:
>[body deleted]
>>
>>inquiring minds wanna know.....
>>
>>ciao de k5fo chuck dit dit
>
>Actually what inquiring newbie minds want to know is the significance of the
>dit dit. Someone threatened to tell us about this back in December (after
>taking a poll) and promised to throw in some other CW facts and folklore.
>How 'bout it?!

>
> --Rick
> N3JGF

Well, being an almost 25 year veteran of this hobby, and remembering back to my no-vice (in junior high I really didn't have any vices...my how things change) novice days I can remember ending some QSO's with morse code equivalent of the old slogan * shave and a hair cut 2 bits.*

Or, and put in your own timings:

dit dit dit dit dit dit dit

I guess as we got older and *mature* we dropped the first part and just did *dit dit*.

Matter of fact, my novice elmer severely chastised me when he heard me do it. I told him I heard it from someone else.

so, pull out your keyer and send this on CW and see how it sounds:

7 3 t u and then do * dit dit *...just kinda adds a little melody to end the QSO you know?

73,Tom WB4IUX

ps: Can any of the real CW experts fill us in on what the dit dit really means?

--

Date: Fri, 12 Feb 1993 21:53:22 GMT
From: pacbell.com!att-out!cbfsb!cbnews!cbnews!jeffj@network.UCSD.EDU
Subject: Ground
To: info-hams@ucsd.edu

In article <199302121539.AA11848@cardamom.unx.sas.com> saswel@unx.sas.COM (Warren E. Lewis) writes:

>
>Okay net folks...I have a few questions about grounds.

>
>Due to circumstances out of my control my HF Rig is located
>on the second floor of a two story townhouse. I could drive
>an 8ft. ground rod right next to the house, but I would have a
>wire run of approximately 25-30 ft. from the rig to the ground
>rod.

>- Is this too long of a run???

>- If it is too long of a run what other grounding options

> would you suggest?

MFJ sells a artificial ground or you could try a 1/4 counterpoise for each of the bands. 73!

Jeff

--

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Jeff Jones AB6MB | Nickel Back: What you get when you ask free
jeffj@seeker.mystic.com | agents to give you a million
Infolinc BBS 415-778-5929 | dollars worth of effort.
```

Date: 12 Feb 93 14:19:11 GMT
From: auratek!epacyna@uunet.uu.net
Subject: Home building PT0s
To: info-hams@ucsd.edu

Look through back issue of QST (and maybe Ham Radio). I know there were some articles in building PTO's w/ linear tuning. The QST article was late 70's issue.

Ed W1AAZ

Date: 12 Feb 93 15:12:59 MST
From: dog.ee.lbl.gov!hellgate.utah.edu!sunset.cs.utah.edu!bentley@network.UCSD.EDU
Subject: HTX-100 Mailing List
To: info-hams@ucsd.edu

Mark Feit (mark@ERA.COM) wrote:

: With all of this talk about HTX-100s and owning one myself, is there

: : Mark A. Feit KD4TAJ : Internet: mark@era.com :

With all this talk, i'm interested in buying one. I would like to know what bands it receives? 10m and 15m right? I'm going to hit the Rat shack tonight and see if they have any.

Adam

```

                                     /  '- ' /
It's Only Rock'n'Roll but  I like it!  | [= == | | | | | | | | | | [: : }
e-mail: bentley@cs.utah.edu  \ _ . - . _ \

```

Date: 12 Feb 93 19:20:11 GMT
From: dog.ee.lbl.gov!hellgate.utah.edu!caen!sdd.hp.com!ncr-sd!ncrcae!ncrhub2!
ncrc1m!tskelton@network.UCSD.EDU

Subject: KC6 expedition is on!
To: info-hams@ucsd.edu

The guys from the Oklahome DX Association have now arrived on
and activated the Western Carolines. KC6OK was on 15 CW around
0200Z 12-Feb and then on 40 cw around 1000z. 73, Tom WB4IUX

--

Date: 12 Feb 1993 21:02:54 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sdd.hp.com!
saimiri.primate.wisc.edu!news.larc.nasa.gov!arbd0.larc.nasa.gov!
zawodny@network.UCSD.EDU
Subject: Kenwood 850 display
To: info-hams@ucsd.edu

In article <1993Feb12.194719.10690@usl.edu> cfm1471@ucs.usl.edu (Morrison Charles
F) writes:

>
>I have a Kenwood 850s and have noticed that when the radio sits unused for
>any extended time period, and you return to turn it on, the display has an
>delay in coming on. Is this normal?

Mine does the same thing. I never gave it much thought though.

>
>Answers, please!
>Charlie
>ki5xp@ucs.usl.edu
>

--
Joseph M. Zawodny (K04LW) NASA Langley Research Center
Internet: zawodny@arbd0.larc.nasa.gov MS-475, Hampton VA, 23681-0001
Packet: ko4lw@wb0tax.va.usa

Date: 13 Feb 93 18:12:16 GMT
From: sdd.hp.com!news.cs.indiana.edu!bsu-cs!bsu-ucs.uucp!yang.earlham.edu!
georges@network.UCSD.EDU
Subject: Latest-issued callsigns
To: info-hams@ucsd.edu

> I just called the number to verify that the system still worked. Latest

> calls in 6-land as of 1Feb92 were:

>

> Group A	Extra	AB6QH
> Group B	Advanced	KN6GJ
> Group C	Tech/General	-----
> Group D	Novice	KD6RVS

>

> Since all of the Group C calls have been issued in your call district,
> they revert back to the next lowest group. Therefore, Generals, Techs,
> and Novices all get Group D calls in 6-land.

>

> Bob N9KRS

I just called the number in question too (717-337-1212) and found that I got the call number info despite the fact that it was 12:30 PM on Saturday-- not during business hours as someone else said in a post recently.

After the machine at the FCC picks up you need to punch in a 2 to get info beyond what the first recording offers. Then you can punch in 2n when in is your district number. When I punched in 29 for my district I got the following info for Feb. 1, 1993:

Extra Class	AA9FT
Advanced	KF9NF
General/Tech	N9SDT
Novice	KB9IJP

--GARS (who has begun the wait for confirmation that he's a Tech+)

P.S. The recording says the wait for your ticket or upgrade is now 90 days. I hope that recent reports on Compuserve and here are correct and that its closer to 9 weeks.

Date: 13 Feb 93 21:46:42 GMT
From: anomaly.sbs.com!kd1hz@uunet.uu.net
Subject: Mobile rig in Camry-Hazardous to Your \$
To: info-hams@ucsd.edu

miles@emx.cc.utexas.edu (Miles Abernathy) writes:

>There was a published(?) report a few months ago of the ham owner of a
>new 92 Camry, who had a ham rig installed. First time she transmitted,
>the ignition computer fried. Replacement cost \$1100+. Not a warranty
>item, due to a warning in the owner's and / or service manual about the
>use of transmitting equipment. I believe that is where the thread started.

If true, one more good reason not to buy a Japanese car. If I have to

worry about RF frying the ignition computer, I guess they'd better ban all KW mobile operations.... I'd hate to pull up beside some ham running mobile HF and end up getting my ignition computer fried...

MD

```
--
-- Michael P. Deignan, KD1HZ | --- ..- .-. .-. . .-- . .- - .-.
-- Domain: mpd@anomaly.sbs.com | -- --- - - --- -. --- -.--- --- . ...
-- UUCP: uunet!anomaly!mpd | ..-. --- .-. -. --- -.--- --- --- . ...
-- Telebit: +1 401 455 0347 | .-. . -. .-.. .... -. -- ...
```

Date: Fri, 12 Feb 1993 21:39:47 GMT
From: agate!spool.mu.edu!howland.reston.ans.net!bogus.sura.net!udel!gatech!
concert!unccsun.uncc.edu!ws47!jeplyler@ames.arpa
Subject: Motorola SecureClear(tm) Cordless Phones
To: info-hams@ucsd.edu

In article 4194@oakhill.sps.mot.com, hunter@oakhill.sps.mot.com (Hunter Scales) writes:

Hi guys:

I have just purchased a Motorola SecureClear cordless phone with the belief that it will "scramble" the audio between the handset and base unit. Someone else has told me that the technique used is "audio inversion" and that, far from being secure, it is relatively easy and cheap to defeat. Could someone tell me exactly what "audio inversion" is and how it would be descrambled? Is this no better than you garden variety Cobra phone? Thanks.

--

Hunter Scales	Motorola Semiconductor Inc.
hunter@prometheus.sps.mot.com	Austin, Texas
"The opinions expressed in this posting do no necessarily reflect those of the management"	

The audio inversion method of securing comms is nothing spectacular. All it does is take the high freqs from the audio and makes them low and the other way around, takes the low freqs and makes them high. All it does is make the conversation garbled. It is ,however, easy to defeat. I haven't built it YET,but, there is a rather simple circuit to reinvert the signal. I know it uses a NE602 chip to accomplish this task. I'm sure someone on this group can add more.(I hope so because I lost the schematic!)

Jon Plyler(N4ZVY)

Date: Fri, 12 Feb 1993 23:29:28 GMT
From: dog.ee.lbl.gov!hellgate.utah.edu!cs.utexas.edu!uwm.edu!spool.mu.edu!agate!
iat.holonet.net!walterm@network.UCSD.EDU
Subject: NEEDED: Hearing loss prevention
To: info-hams@ucsd.edu

My brother is an air traffic controller in Pucallpa, Peru and due to the level of static on the headset he is losing his hearing progressively. I was wondering if there is some equipment, filter, earplug that could, if not eliminate this static, at least minimize it to unharmed levels.

It is difficult to contact Pucallpa and therefore ascertain the source of the static. A friend said that the static could be due to:

- A) powerlines
- B) poor equipment of the transmitting aircraft
- C) poor equipment of the receiving control tower

For A) he suggested installing an electric filter of some sort on the control tower equipment. For B) said there was nothing that could be done.
For C) he had no clear answer.

I am still hopeful that some either a better headset, earplugs for high frequency static or other equipment could be used. Obviously the ideal solution would be to find another job, but...

My questions are:

- 1) How could the source of the static be found?
- 2) What measures can be taken to minimize or eliminate the harmful static?
- 3) Is there an study on the long-term effects of headset static on hearing?
- 4) Are there US and international standards on the noise levels controllers can be subject to?

Any answers, discussions or questions would be greatly appreciated. The more information, the better. Thanks in advance.

Date: Fri, 12 Feb 1993 17:27:08 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sdd.hp.com!ncr-sd!ncrcae!
ncrhub2!ncrgw2!psinntp!news.mentorg.com!mbutts!mbutts@network.UCSD.EDU
Subject: Phase Sequence Filter Quadrature Networks
To: info-hams@ucsd.edu

Also check out the January 1993 QST - Rick Campbell's Single Signal High
Performance Direct Conversion Receiver.

73 de KC7IT

--
Mike Butts mbutts@qcktrn.com Research Engineering Mgr. 503-685-1302
Quickturn Systems, Inc., 8005 SW Boeckman Road, Wilsonville, Oregon 97070
My opinions are my own, and aren't necessarily shared by Quickturn Systems.

Date: Sat, 13 Feb 93 13:04:19 PST
From: cs.ubc.ca!mala.bc.ca!oneb!ham!emd@beaver.cs.washington.edu
Subject: QRP amplifier ---> shorting stick
To: info-hams@ucsd.edu

gary@ke4zv.uucp (Gary Coffman) writes:

>
> Yep, pot lines are serious electricity users. They do it with *big*
> buss bars. I am surprised that a piddling 90 MW took down a hydro
> plant though. I guess the short drew a *lot* more than 90 MW.
>

Probably. We used bus-bars to do the three-phase short-circuit tests for
acceptance on a 200 MW generator supplied by Mitsubishi (and built on
site) at an 800 MW hydro site on the Peace River.

Sufficient current was carried by the stator to WARP it out of shape to
the point where the rotor touched the stator for about a third of the way
around. The OT during testing and rebuilding (I was a construction
electrical inspector) completely paid for my new motorcycle.....

Robert Smits
VE7EMD
Ladysmith B.C.
e-mail: emd@ham.almanac.bc.ca

It may be observed
in a general way
that life would be
better, distinctly,
if more of the people

with nothing to say
were able to say it
succinctly. - Piet Hein

Date: Sat, 13 Feb 93 13:11:16 PST
From: cs.ubc.ca!mala.bc.ca!oneb!ham!emd@beaver.cs.washington.edu
Subject: Why all the Bulletins?
To: info-hams@ucsd.edu

andyw@aspen32.cray.com (Andy Warner) writes:

>
> In article <pschleck.729451323@cwis>, pschleck@cwis.unomaha.edu (Paul W Schle
> > [...]
> >
> > On Usenet, cross-posting is a good idea, because it maintains visibility
> > for the posts in the natural, home newsgroup. Also, good newsreaders
> > will only present an article once, regardless of how many newsgroups
> > it's posted to.
>
> So why the hell invent a new newsgroup, if most things are cross-posted
> to a "natural, home newsgroup" ? Seems daft to me, but what do I know ?
>

Exactly. Unless the bulk (and I do mean bulk!) of the posts ONLY go to
rec.radio.info, the whole purpose of rec.radio.info is defeated. And a
whole lot of people who voted for r.r.i. would probably vote NO as it is
currently being used....

Robert Smits
VE7EMD
Ladysmith B.C.
e-mail: emd@ham.almanac.bc.ca

It may be observed
in a general way
that life would be
better, distinctly,
if more of the people
with nothing to say
were able to say it
succinctly. - Piet Hein

Date: Sun, 14 Feb 1993 00:49:41 GMT
From: sdd.hp.com!spool.mu.edu!yale.edu!ira.uka.de!sol.ctr.columbia.edu!
news.unomaha.edu!cwis.unomaha.edu!pschleck@network.UCSD.EDU
Subject: Why all the Bulletins?
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, emd@ham.almanac.bc.ca (Robert Smits), writes:

>andyw@aspen32.cray.com (Andy Warner) writes:

```
>>
>> In article <pschleck.729451323@cwis>, pschleck@cwis.unomaha.edu (Paul W Schle
>> > [...]
>> >
>> > On Usenet, cross-posting is a good idea, because it maintains visibility
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>>
```

```
>Exactly. Unless the bulk (and I do mean bulk!) of the posts oNLY go to
>rec.radio.info, the whole purpose of rec.radio.info is defeated. And a
>whole lot of people who voted for r.r.i. would probably vote NO as it is
>currently being used....
```

Actually, Andy and I had an E-mail discussion earlier about the subject. After explaining the rationale, he understood it better, and came up with an excellent short metaphor for rec.radio.info, namely a "kill-file hack." For the overwhelming majority of compliant Usenet sites, the cross-post provides an extra "tag" for the info bulletins that allow them either to be killed in rec.radio.amateur.misc, or filtered FROM rec.radio.amateur.misc, or simply left alone in their original newsgroup (remember the ongoing brouhaha about rec.radio.amateur.policy?). I'm not saying it's a perfect solution, but it is the best compromise and represents the best overall benefit.

As for your accusation that voters were misled about the purpose of rec.radio.info, here's the Call for Votes for the newsgroup (available via anonymous FTP from ftp.uu.net under usenet/news.announce.newsgroups/rec/rec.radio.info, ^'s added for emphasis):

```
+From mark@ve6mgs.ampr.org Mon Nov 23 18:29:51 1992
+Path: uunet!bounce-back
+From: mark@ve6mgs.ampr.org (Mark G. Salyzyn, VE6MGS)
+Newsgroups:
news.announce.newsgroups,news.groups,rec.radio.amateur.misc,rec.radio.shortwave,rec
.radio.amateur.policy,rec.radio.amateur.packet,rec.radio.noncomm,rec.radio.cb,alt.
radio.scanner
+Subject: CFV: rec.radio.info moderated
+Followup-To: poster
```

+Date: 23 Nov 1992 18:06:39 -0500
+Organization: ampr.org
+Lines: 66
+Sender: tale@news.UU.NET
+Approved: tale@uunet.uu.net
+Message-ID: <1ero5vINNcv5@news.UU.NET>
+NNTP-Posting-Host: news.uu.net
+Xref: uunet news.announce.newgroups:2988 news.groups:61635
rec.radio.amateur.misc:29130 rec.radio.shortwave:19881
rec.radio.amateur.policy:14289 rec.radio.amateur.packet:4608
rec.radio.noncomm:1667 rec.radio.cb:13749 alt.radio.scanner:2989

This is a CALL FOR VOTES for the creation of the rec.radio.info newsgroup. The RFD was first posted on 2 November 1992. It is decided that since discussion has stopped, showing support by acquiescence, that we will post the CFV prematurely with respect to the 30 days, typically, after the RFD group creation guidelines. The guidelines, however, state that the vote should be taken shortly after the end of discussion.

Voting will start on publication of this article and end on December 23, 1992 at 23:59 GMT. Votes should be mailed as follows(*):

Yes (create rec.radio.info, as proposed): QSL@unomaha.edu or qsl@unomaha.edu

No (do not create): QRT@unomaha.edu or qrt@unomaha.edu

Case is not important (at least on the receiving end).

(* Voting mailboxes are amateur radio Q-codes for mnemonic purposes.
QSL = acknowledged, also loosely yes or affirmative. QRT = cease transmission, also loosely no, "nix" or "86").

Votes that are posted or mailed to me will not be counted. Message bodies will be ignored for tallying purposes.

Moderator at creation will be mark@ve6mgs.ampr.org (Mark Gregory Salyzyn). Regular posters to this group will be deputized to moderator status to provide timeliness, reliability and to keep the load down on the chief moderator. There is no archive site arranged at the moment, however, Lyndon.Nerenberg@unbc.edu has offered a site once installed in the coming month. Any offers to help moderate or archive this new group, if passed, can be made to mark@ve6mgs.ampr.org, adec23.UUCP!mark or pschleck@cwis.unomaha.edu.

Votes will be acknowledged in followup CFVs in the newsgroups this CFV is posted to. I must thank pschleck@cwis.unomaha.edu (Paul W. Schleck) for taking on the task of being an independent vote taker and for his advice throughout this process.

73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

End of Info-Hams Digest V93 #210
